

## Donald Isenhower

### Education:

- B.S. Physics (1981), Abilene Christian University
- Ph.D. High Energy Physics (1986), Iowa State University

### Academic and Research Experience:

- Professor, Abilene Christian Univ., 1999–present (Chairman 1999–2005).
- Co-PI on DOE funded research grants at ACU 1988-present.
- NSF MRI forward trigger upgrade for the PHENIX experiment at RHIC.
- Research Scientist, Innovation Partners 2006-2007.
- Visiting scientist, Brookhaven National Laboratory, 1998.
- Associate Professor, Abilene Christian Univ., 1993–1999.
- NSF/NATO Postdoctoral Fellowship, 1990–91 (CERN, LEP DELPHI experiment)
- Associated Western Universities summer research appointment, 1987 (8 weeks at LANL).
- Visiting Scientist, Ames Laboratory-Iowa State University, 1987 (6 weeks).
- Assistant Professor, Abilene Christian Univ., 1986–1993.
- Society of Physics Students Chapter Advisor, Abilene Christian University, 1987–2005

### Honors and Affiliations

- Member, American Physical Society.
- Member, American Association of Physics Teachers.
- Member, The Institute of Electrical and Electronics Engineers.
- Career Achievement Award, Abilene Christian Univ. College of Arts and Sciences, 2006.
- Outstanding Professor Award, Abilene Christian Univ., 1993.
- Research Excellence Award for outstanding dissertation in physics, Iowa State Univ., 1986.
- Fred J. Barton Award for outstanding physics graduate, Abilene Christian University, 1981.

### Research Collaborations

- SeaQuest (Fermilab E906): Emphasis is to understand the structure of the proton, including the antiquark content, antishadowing and energy loss.
- PHENIX at BNL RHIC facility.
- Neutron Induced Fission Fragmentation TPC Experiment at Los Alamos LANSCE facility: Goal is to measure neutron induced fission cross sections on U235 and Pu239 using a Time Projection Chamber for aiding in design of Generation IV fission reactors.
- Small Business Innovative Research PI for award *Improved Approach for Utilization of FPGA Technology into DAQ, DSP, and Computing Applications*.
- Crystal Ball collaboration at BNL AGS: Emphasis on understanding the basic structure of the proton and baryon spectroscopy.
- Fermilab E866/NuSea (acting spokesperson May-July 1997): Measurements made were precursors and motivations for planned measurements for SeaQuest.
- Petersburg Nuclear Physics Institute, Gatchina, Russia: Structure of the proton.
- Fermilab E789: Emphasis on D and B meson physics.
- CERN DELPHI experiment at LEP (Forward RING Imaging Cherenkov detector).
- Los Alamos Meson Physics Facility: Various experiment, most were to study excited states of the nucleon.
- CERN Intersection Storage Rings (ISR Split Field Magnet Collaboration): Search for Glueballs in double pomeron exchange.
- Undergraduate research involved various tasks in implementing microprocessor control of electronics and measurement equipment in a surface physics laboratory at ACU.